

Solid-state relay module - PLC-OPT- 24DC/230AC/1 - 2900369

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PLC-INTERFACE, consisting of PLC-BPT basic terminal block with Push-in connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 24 - 253 V AC/0.75 A

Product Features

- Narrow design
- Efficient connection to system cabling using V8 adapter
- RT III sealed solid-state relay
- High switching power
- Functional plug-in bridges
- Integrated input circuit
- Zero voltage switch at AC output



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 10 |
| GTIN | 4046356506885 |

Technical data

Note:

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 94 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |

Input data

| | |
|--|-------------|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.2 |
| Switching threshold "0" signal in reference to U_N | ≤ 0.25 |

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Technical data

Input data

| | |
|--|--------------------------------------|
| Switching threshold "1" signal in reference to U_N | ≥ 0.8 |
| Typical input current at U_N | 8 mA |
| Typical response time | 10 ms (at U_N) |
| Typical turn-off time | 10 ms (at U_N) |
| Operating voltage display | Yellow LED |
| Type of protection | Protection against polarity reversal |
| Type of protection | Free-wheeling diode |
| Protective circuit/component | Polarity protection diode |
| Protective circuit/component | Damping diode |
| Transmission frequency | 10 Hz |

Output data

| | |
|--|-----------------------------|
| Output voltage range | 24 V AC ... 253 V AC |
| Limiting continuous current | 0.75 A (see derating curve) |
| Maximum inrush current | 30 A (10 ms) |
| Min. load current | 10 mA |
| Leakage current | < 1 mA (in off state) |
| Max. load value | 4.5 A ² s |
| Voltage drop at max. limiting continuous current | < 1 V |
| Output circuit | 2-wire, floating |
| Type of protection | RCV circuit |

Connection data

| | |
|--|----------------------|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 14 |

General

| | |
|---|---------------------------|
| Test voltage input/output | 2.5 kV (50 Hz, 1 min.) |
| Mounting position | Any |
| Assembly instructions | In rows with zero spacing |
| Operating mode | 100% operating factor |
| Inflammability class according to UL 94 | V0 |
| Pollution degree | 2 |
| Surge voltage category | III |

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classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001504 |
| ETIM 3.0 | EC001504 |
| ETIM 4.0 | EC001504 |
| ETIM 5.0 | EC001504 |

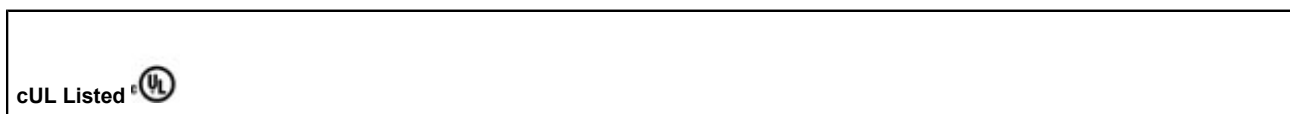
UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121542 |
| UNSPSC 11 | 39121542 |
| UNSPSC 12.01 | 39121542 |
| UNSPSC 13.2 | 39121542 |

approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / UL Listed / cUL Listed / cULus Recognized / cULus Listed /

Approval details



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approvals

GL

UL Listed

cUL Listed

cULus Recognized

cULus Listed

accessories

Mounting rail

NS 35/ 7,5 V2A UNPERF 2000MM - 0801377



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



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accessories

NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15-2,3 UNPERF 2000MM - 1201798



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 PERF 2000MM - 1201730



NS 35/ 7,5 UNPERF 2000MM - 0801681



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accessories

Power module

PLC-ESK GY - 2966508



Partition plate

PLC-ATP BK - 2966841



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



Labeled terminal marker

ZB 6,LGS:FORTL.ZAHLEN - 1051016



Terminal marking

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accessories

ZB 6:UNBEDRUCKT - 1051003



Controller board

PLC-V8/FLK14/OUT - 2295554



PLC-V8/FLK14/OUT/M - 2304102



PLC-V8/D15B/OUT - 2296061



Interface module

PLC-V8/D15S/OUT - 2296058



Relay socket

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accessories

PLC-BPT- 24DC/21 - 2900445



Single solid-state relay

OPT-24DC/230AC/ 1 - 2967950



Bridge

FBST 500-PLC RD - 2966786



FBST 500-PLC BU - 2966692



FBST 500-PLC GY - 2966838



Solid-state relay module - PLC-OPT- 24DC/230AC/1 - 2900369

accessories

FBST 6-PLC RD - 2966236



FBST 6-PLC BU - 2966812



FBST 6-PLC GY - 2966825



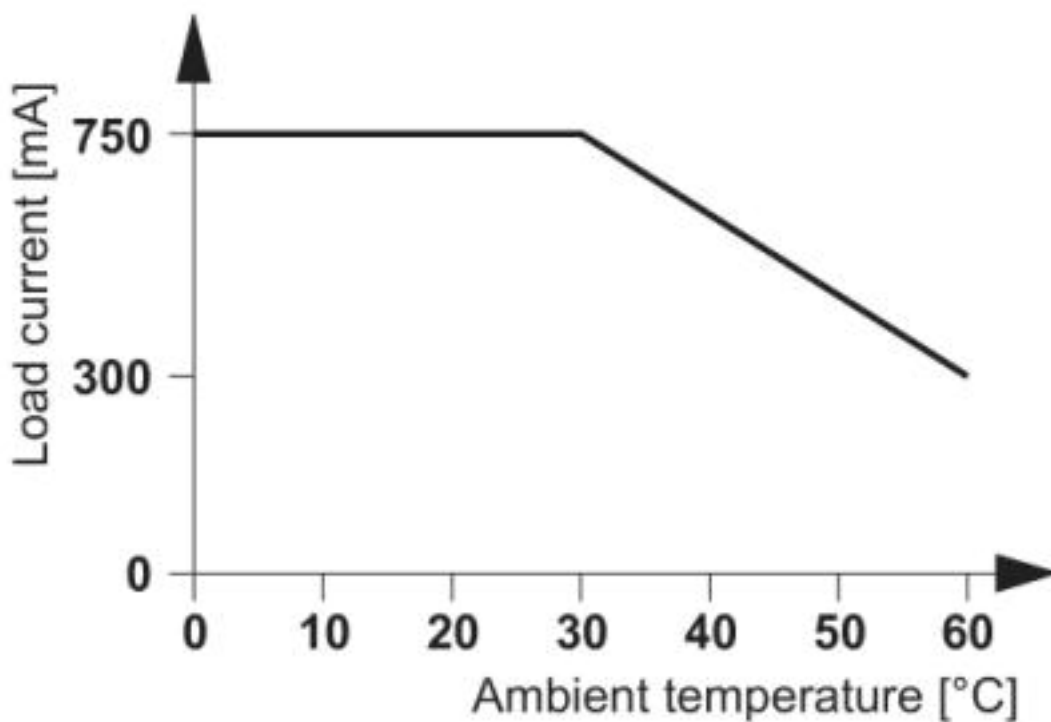
FBST 8-PLC GY - 2967688



Drawings

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Diagram



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Circuit diagram

